

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

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GENERAL INFORMATION:

Name:	Marathon Petroleum Company, LLC
Address:	1770 Old Frankfort Pike Lexington, KY 40504
Date application received:	December 4, 2008
SIC/Source description:	5171, Petroleum Bulk Stations & Terminals
Source ID:	21-067-00031
Agency Interest:	1076
Activity:	APE20080002
Permit:	F-06-009 R2

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
<u>x</u> Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input checked="" type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Emissions Potential (No change from F-06-009 R1)

Pollutant	2007 Actual (tpy)	Potential (tpy)
VOC	16	44
2,2,4 – Trimethylpentane	0.1	0.3
Benzene	0.1	0.3
Hexane	0.3	0.6
Toluene	0.2	0.5
Xylene	0.1	0.2
Source wide HAPs	0.8	2.0

SOURCE DESCRIPTION:

Marathon Petroleum Company, LLC (Marathon) owns and operates a terminal in Lexington, Kentucky. The terminal receives product by pipeline, stores the product in tanks, and then loads the product to tank trucks for distribution. The terminal is currently permitted under Kentucky air operating permit F-06-009 R1, which was revised on October, 2008. The permitted points are tank truck loading racks, storage tanks, and terminal fugitive equipment. Emissions from this terminal are limited by the permittee to attain conditional major status.

MINOR PERMIT REVISION (F-06-009 R2)

Marathon is planning to convert tank 821 from an existing ethanol tank to a gasoline additive tank. The additive will be injected/ blended with gasoline at the loading rack. As the result, just 0.10 tons per year of VOC and 0.0051 tons per year of HAP will be emitted.

The change will result in the storage tank moving from Section B- Emission Points, Emission Units, Applicable Regulation, and Operation Conditions, of the permit to Section C- insignificant Activities of the permit.

EMISSION AND OPERATING CAPS DESCRIPTION:

In order to ensure that the terminal remains exempt from the regulations to major sources of criteria and hazardous air pollutant (HAP) emissions, including the Gasoline Distribution MACT (40 CFR 63 Subpart R), Marathon has a Conditional Major permit. Terminal emissions are limited to less than 90 ton/yr volatile organic compounds (VOC), 22.5 ton/yr total HAP, and 9 ton/yr individual HAP. Monthly and rolling 12-month total emissions will be calculated. Emission calculations and supporting documentation will be retained at the terminal.

OPERATIONAL FLEXIBILITY:

The source is not restricted as to hours of operation or quantity of product produced while remaining within the caps above.